

IN THE ABSTRACT

Please amend the Abstract in accordance with that appearing on the following page:

ABSTRACT OF THE DISCLOSURE

~~Abstract: Receivers comprising~~ A receiver including a
(differential-quadrature-) phase-shift-keying demodulators
demodulator (4) and a differential detectors~~detector~~ (10)
~~consisting of decoders~~having a decoder (19), ~~are is~~ provided with a
non-linear ~~compensators~~compensator (20) for compensating the
decoder output ~~signals~~signal for (parts-part of) an interference
~~term~~term, to improve the decoding process and to reduce the number
of incorrect decisions. The non-linear ~~compensators~~compensator
(20) ~~comprise~~includes a channel estimators~~estimator~~ (22) for
estimating ~~coefficients~~a coefficient of terms~~a term of the~~
decoder output ~~signals~~signal and ~~removers~~ (21,23) for removing
~~terms of said~~the term from the decoder output ~~signals~~signal. The
receiver is designed for a Bluetooth environment. In the decoder
output signal $u_k = A b_k + B b_{k-1} + C b_{k+1} + D b_k^* + E b_{k-1} b_k + F b_k b_{k+1} +$
 $G b_{k-1} b_k b_{k+1} + H$, ~~removers remove the H term and the B term, to~~
reduce the complexity of extracting b_k from u_k . ~~Slicers slice the~~
~~compensated decoder output signals to further compensate said~~
~~decoder output signals such that the possible values of decoder~~
~~output signals can be better distinguished from each other.~~